Notice of Allowability	Application No.	Applicant(s)		
	10/511,310	HASEGAWA ET AL.		
	Examiner	Art Unit		
	Theresa Trieu	3748		
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication IGHTS. This application is subject to	plication. If not includ will be mailed in due	ed course. THIS	
1. X This communication is responsive to the applicants' amend	dment filed on Dec. 14, 2006.			
2. ☑ The allowed claim(s) is/are <u>5-24</u> .				
 3. Acknowledgment is made of a claim for foreign priority una) All b) Some* c) None of the: Certified copies of the priority documents have Certified copies of the priority documents have Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	e been received. e been received in Application No		ntion from the	
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the re	quirements	
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which giv 			NOTICE OF	
 5. CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner' Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in 6 DEPOSIT OF and/or INFORMATION about the deposition of the property of the	son's Patent Drawing Review (PTO- s Amendment / Comment or in the C .84(c)) should be written on the drawing the header according to 37 CFR 1.121(ssit of BIOLOGICAL MATERIAL r	Office action of ngs in the front (not the d).		
attached Examiner's comment regarding REQUIREMENT				
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. Notice of Informal F	Patent Application		
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ⊠ Interview Summary	 6. ☑ Interview Summary (PTO-413), Paper No./Mail Date <u>March 14, 2007</u>. 7. ☑ Examiner's Amendment/Comment 		
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date	Paper No./Mail Da 7. ⊠ Examiner's Amendi			
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ⊠ Examiner's Stateme	Theresa Trieu Primary Examiner Art Unit: 3748	owance	

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EXAMINER'S AMENDMENT

This Office Action is responsive to the applicants' amendment filed on Dec. 14, 2006.

Claims 7-9 have been amended. Claims 1-4 have been canceled. Claims 11-24 have been added. Thus, claims 5-24 are pending in this application.

Applicants' cooperation in correcting the informalities in the drawing and specification are appreciated.

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Herbert F. Ruschmann (Reg. No. 35,341) on March 14, 2007. During telephone conversation with Mr. Ruschmann, an agreement was reached to amend Claims 5, 6, 8, 11 and 12. The application has been amended as follows:

- <u>Claim 5</u>: page 8, line 2, "by means of an operating fluid" has been changed to -- by the operating fluid --.
- <u>Claim 6</u>: page 8, line 2, "by means of an operating fluid" has been changed to -- by the operating fluid --.
 - Claim 8: page 10, line 3, -- of said rotor" has been inserted after "circumference".
- <u>Claim 11</u>: page 14, line 15, "by an operating fluid" has been changed to -- by the operating fluid --.

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- <u>Claim 12</u>: page 15, line 23, "by an operating fluid" has been changed to -- by the operating fluid --.

Allowable Subject Matter

Claims 5-24 are allowed.

The following is an examiner's statement of reasons for allowance:

Regarding claims 7 and 8: Applicants' amendments to the claims and arguments (presented in the Remarks section, pages 24-25) have overcome the cited prior art.

Regarding claim 9: In the amendment filed on Dec. 14, 2006, dependent claim 9 has been rewritten in independent form including all the limitations of the base claim and any intervening claim; therefore, claim 9 is allowed.

Regarding claims 11 and 12: In the amendment filed on Dec. 14, 2006, dependent claims 5/8 and 6/8 has been rewritten in independent form including all the limitations of the base claim and any intervening claim as new claims 11 and 12; therefore, claims 11 and 12 are allowed.

Regarding claim 15: the prior art fails to disclose or render obvious the claimed combination including: the intake port being positioned to end communication with the operating chambers when an immediately preceding one of the operating chambers expands to the maximum volume Vc; the first and second discharge ports having an external discharge pressure (Pd) and the discharge pressure (Pd) being greater than a pressure (Pc) of expanded fluid in the operating chambers at the maximum volume Vc; and the first discharge port being positioned so that the operating chambers are compressed starting immediately after the operating chambers communicate with the first

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discharge port and are compressed to provide a pressure a level greater than the discharge

pressure (Pd) to open the valve mechanism.

Any comments considered necessary by applicant must be submitted no later than

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the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Theresa Trieu whose telephone number is 571-272-4868.

The examiner can normally be reached on Monday-Friday 8:30am- 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Thomas E. Denion can be reached on 571-272-4859. The fax phone number

for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR. Status

information for unpublished applications is available through Private PAIR only. For

more information about the PAIR system, see http://pair-direct.uspto.gov. Should you

have questions on access to the Private PAIR system, contact the Electronic Business

Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO

Customer Service Representative or access to the automated information system, call

800-786-9199 (IN USA OR CANADA) or 571-272-1000.

TT

March 14, 2007

Theresa Trieu

Primary Examiner

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